

EDLINGER Appln. No. 09/890,820

4. (Amended) A process according to claim 1, wherein a target slag is adjusted to a basicity CaO/SiO_2 of between 0.9 and 1.85 by mixing marl and clay.

5. (Amended) A process according to claim 1, wherein the melt at basicities of > 1.4 is sprayed into a vapor granulator.

6. (Amended) A process according to claim 1, wherein the first step is carried out at temperatures not exceeding 1000° , drying being effected at temperatures in a range from 100 to 210° , preheating being effected in a range from 210° to 600°C and calcining being effected in a range from 600° to 1000°C .

7. (Amended) A process according to claim 1 or 6, wherein the second process step is carried out at temperatures between 1450° and 1550°C .

8. (Amended) A process according to claim 1, wherein the first process step is realized with finely broken marl having a mean particle size ranging from 20mm to 30mm.

9. (Amended) A process according to claim 1, wherein by-pass dust from the production of clinker is included in the material processed in the first process step.

10. (Amended) A process according to claim 1, wherein any MgO portion of the material processed in the first process step is adjusted to below 19 wt.-%.

11. (Amended) A process according to claim 1, wherein granulation in the second process step is effected by spray granulation using hydrocarbons as a coolant and synthetic gas formed during granulation is burned in the first process step.

See the attached Appendix for the amendments made to effect the above changes.